

WHAT IS CLAIMED IS:

- 1 1. A method comprising:
 - 2 determining whether a resource in a first cluster can be allocated to provide a quantity of the
 - 3 resource to an application; and
 - 4 if the resource in the first cluster cannot be allocated to provide the quantity of the resource to
 - 5 the application, performing at least one of
 - 6 enabling the first cluster to provide the quantity of the resource to the application by
 - 7 reconfiguring the first cluster, and
 - 8 restarting the application in a second cluster having a sufficient amount of the
 - 9 resource to provide the quantity of the resource to the application.
- 1 2. The method of claim 1 further comprising:
 - 2 selecting the application to be allocated the quantity of the resource from a plurality of
 - 3 applications in accordance with a business priority for the application.
- 1 3. The method of claim 2 wherein
2 the reconfiguring the first cluster comprises:
 - 3 adding a second quantity of the resource to the first cluster.
- 1 4. The method of claim 2 wherein
2 the reconfiguring the first cluster comprises:
 - 3 partitioning the resource within the first cluster.
- 1 5. The method of claim 2 further comprising:
 - 2 monitoring performance of a plurality of applications running in the first cluster; and
 - 3 if performance of one application of the plurality of applications fails to satisfy a criterion,
 - 4 requesting to allocate a second quantity of the resource for the one application to
 - 5 enable the performance of the one application to satisfy the criterion.
- 1 6. The method of claim 2 wherein
2 the first cluster is remote from the second cluster.

1 7. The method of claim 2 wherein
2 the determining whether the resource in the first cluster can be allocated to provide the
3 quantity of the resource to the application is performed in response to failure of the
4 application.

1 8. The method of claim 2 wherein
2 the determining whether the resource in the first cluster can be allocated to provide the
3 quantity of the resource to the application is performed in response to starting the
4 application.

1 9. The method of claim 2 wherein
2 the determining whether the resource in the first cluster can be allocated to provide the
3 quantity of the resource to the application is performed in response to identifying a
4 problem with performance of the application.

1 10. The method of claim 2 wherein
2 the determining whether the resource in the first cluster can be allocated to provide the
3 quantity of the resource to the application is performed in response to determining
4 that the application is not in conformance with a policy.

1 11. A system comprising:
2 determining means for determining whether a resource in a first cluster can be allocated to
3 provide a quantity of the resource to an application;
4 enabling means for enabling the first cluster to provide the quantity of the resource to the
5 application by reconfiguring the first cluster; and
6 restarting means for restarting the application in a second cluster having a sufficient amount
7 of the resource to provide the quantity of the resource to the application.

1 12. The system of claim 11 further comprising:
2 selecting means for selecting the application to be allocated the quantity of the resource from
3 a plurality of applications in accordance with a business priority for the application.

1 13. The system of claim 12 further comprising:
2 adding means for adding a second quantity of the resource to the first cluster.

1 14. The system of claim 12 further comprising:
2 partitioning means for partitioning the resource within the first cluster.

1 15. The system of claim 12 further comprising:
2 monitoring means for monitoring performance of a plurality of applications running in the
3 first cluster; and
4 requesting means for requesting to allocate a second quantity of the resource for one
5 application of the plurality of applications if the one application fails to satisfy a
6 criterion to enable the performance of the one application to satisfy the criterion.

1 16. A system comprising:
2 a determining module configured to determine whether a resource in a first cluster can be
3 allocated to provide a quantity of the resource to an application;
4 an enabling module configured to enable the first cluster to provide the quantity of the
5 resource to the application by reconfiguring the first cluster; and
6 a restarting module configured to restart the application in a second cluster having a sufficient
7 amount of the resource to provide the quantity of the resource to the application.

1 17. The system of claim 11 further comprising:
2 a selecting module configured to select the application to be allocated the quantity of the
3 resource from a plurality of applications in accordance with a business priority for the
4 application.

1 18. The system of claim 12 further comprising:
2 an adding module configured to add a second quantity of the resource to the first cluster.

1 19. The system of claim 12 further comprising:
2 a partitioning module configured to partition the resource within the first cluster.

1 20. The system of claim 12 further comprising:
2 a monitoring module configured to monitor performance of a plurality of applications
3 running in the first cluster; and
4 a requesting module configured to request to allocate a second quantity of the resource for
5 one application to enable the performance of the one application to satisfy a criterion.

1 21. A computer-readable medium comprising:

2 determining instructions configured to determine whether a resource in a first cluster can be
3 allocated to provide a quantity of the resource to an application;

4 enabling instructions configured to enable the first cluster to provide the quantity of the
5 resource to the application by reconfiguring the first cluster; and

6 restarting instructions configured to restart the application in a second cluster having a
7 sufficient amount of the resource to provide the quantity of the resource to the
8 application.

1 22. The computer-readable medium of claim 21 further comprising:

2 selecting instructions configured to select the application to be allocated the quantity of the
3 resource from a plurality of applications in accordance with a business priority for the
4 application.

1 23. The computer-readable medium of claim 22 further comprising:

2 adding instructions configured to add a second quantity of the resource to the first cluster.

1 24. The computer-readable medium of claim 22 further comprising:

2 partitioning instructions configured to partition the resource within the first cluster.

1 25. The computer-readable medium of claim 22 further comprising:

2 monitoring instructions configured to monitor performance of a plurality of applications
3 running in the first cluster; and

4 requesting instructions configured to request to allocate a second quantity of the resource for
5 one application to enable the performance of the one application to satisfy a criterion.

1 26. A computer system comprising:

2 a processor to execute instructions; and

3 the computer-readable medium of claim 22.